AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Original) Modified pyrroloquinoline quinone dependent glucose dehydrogenase (PQQGDH) which has a lower action property on disaccharide than wild type PQQGDH.

2. (Original) The modified pyrroloquinoline quinone dependent glucose dehydrogenase (PQQGDH) according to claim 1, which has more enhanced stability than the wild type PQQGDH.

3. (Original) A method of enhancing a specific activity in an assay system using ferricyanide ion as a mediator compared with a wild type by deleting, substituting or adding one or more amino acids in an amino acid sequence of wild type pyrroloquinoline quinone dependent glucose dehydrogenase (PQQGDH).

4. (Original) Modified pyrroloquinoline quinone dependent glucose dehydrogenase (PQQGDH) having more enhanced specific activity than a wild type in an assay system using ferricyanide ion as a mediator by the method according to claim 3.

5. (Currently Amended) A gene encoding the modified PQQGDH according to claim 1 ~~or 3~~.

6. (Original) A vector comprising the gene according to claim 5.

7. (Original) A transformant transformed with the vector according to claim 6.

8. (Original) A method of producing modified PQQGDH characterized by culturing the transformant according to claim 7.

9. (Currently Amended) A glucose assay kit comprising the modified PQQGDH according to claim 1~~ or 3~~.

10. (Currently Amended) A glucose sensor comprising the modified PQQGDH according to claim 1~~ or 3~~.

11. (Currently Amended) A method of measuring glucose comprising the modified PQQGDH according to claim 1~~ or 3~~.

12. (New) A gene encoding the modified PQQGDH according to claim 3.

13. (New) A vector comprising the gene according to claim 12.

14. (New) A transformant transformed with the vector according to claim 13.

15. (New) A method of producing modified PQQGDH characterized by culturing the transformant according to claim 14.

16. (New) A glucose assay kit comprising the modified PQQGDH according to claim 3.

17. (New) A glucose sensor comprising the modified PQQGDH according to claim 3.

18. (New) A method of measuring glucose comprising the modified PQQGDH according to claim 3.